

Author Index

- Adams, J.H., see Fang, X., 125
- Aikawa, M., see Kilejian, A., 175
- Aitken, A., see Shepherd, J.C., 81
- Aji, T., see Kilejian, A., 175
- Aman, R.A., see Dorn, P.L., 133
- Arcos, L., see Laclette, J.P., 287
- Awobuluyi, M., Maina, C.V. and Carlow, C.K.S.,
Cross-linking of a monoclonal antibody-antigen complex enables detection of parasite antigen in immunoblots and in an expression library (*Short Communication*), 151
- Bass, K.E. and Wang, C.C.,
The in vitro differentiation of pleomorphic *Trypanosoma brucei* from bloodstream into procyclic form requires neither intermediary nor short-stumpy stage, 261
- Beach, D.H., Holz, Jr., G.G., Singh, B.N. and Lindmark, D.G.,
Phospholipid metabolism of cultured *Trichomonas vaginalis* and *Tritrichomonas foetus*, 97
- Blackmer, K., see James, A.A., 245
- Bogh, H.O., see Ito, A., 43
- Boothroyd, J.C., see Dorn, P.L., 133
- Bracha, R., see De Meester, F., 23
- Buck, G.A., see Lu, H.-Y., 109
- Button, L.L., Reiner, N.E. and McMaster, W.R.,
Modification of GP63 genes from diverse species of *Leishmania* for expression of recombinant protein at high levels in *Escherichia coli*, 213
- Carlow, C.K.S., see Awobuluyi, M., 151
- Cazzulo, J.J., see Hellman, U., 15
- Chang, K.-P., see Katakura, K., 233
- Chen, G.-X., Zhu, J., Plitt, J.R., Weiler, A.K. and Zolg, J.W.,
A *Plasmodium falciparum*-specific reverse target capture assay, 165
- Coecke, S., see Galtier, P., 255
- Coquelet, H., Steinert, M. and Pays, E.,
Ultraviolet irradiation inhibits RNA decay and modifies ribosomal RNA processing in *Trypanosoma brucei*, 33
- Davis, A.E., see Laclette, J.P., 287
- De Meester, F., Bracha, R., Huber, M., Keren, Z., Rozenblatt, S. and Mirelman, D.,
Cloning and characterization of an unusual elongation factor-1 cDNA from *Entamoeba histolytica*, 23
- Deresiewicz, R., see Hamburger, J., 73
- Detke, S., see Katakura, K., 233
- Dorn, P.L., Aman, R.A. and Boothroyd, J.C.,
Inhibition of protein synthesis results in super-induction of procyclin, 133
- Eeckhoutte, C., see Galtier, P., 255
- Fang, X., Kaslow, D.C., Adams, J.H. and Miller, L.H.,
Cloning of the *Plasmodium vivax* Duffy receptor, 125
- Fiebig, S., see Wunderlich, F., 271
- Galtier, P., Vandenbergh, Y., Coecke, S., Eeckhoutte, C., Larrieu, G. and Vercruysse, A.,
Differential inhibition of rat hepatic glutathione S-transferase isoenzymes in the course of fascioliasis, 255
- Gardner, M.J., Williamson, D.H. and Wilson, R.J.M.,
A circular DNA in malaria parasites encodes an RNA polymerase like that of prokaryotes and chloroplasts, 115
- Gero, A.M., Wood, A.M., Hogue, D.L. and Upston, J.M.,
Effect of diamide on nucleoside and glucose transport in *Plasmodium falciparum* and *Babesia bovis* infected erythrocytes, 195
- Ghosn, C.R., see James, A.A., 245
- Gottstein, B. and Mowatt, M.R.,
Sequencing and characterization of an *Echinococcus multilocularis* DNA probe and its use in the polymerase chain reaction, 183
- Guénette, S., Prichard, R.K., Klein, R.D. and Matlashewski, G.,
Characterization of a β -tubulin gene and β -tubulin gene products of *Brugia pahangi*, 153
- Hamburger, J., Turetski, T., Kapeller, I. and Deresiewicz, R.,
Highly repeated short DNA sequences in the genome of *Schistosoma mansoni* recognized by a species-specific probe, 73
- Hellman, U., Wernstedt, C. and Cazzulo, J.J.,
Self-proteolysis of the cysteine proteinase cruzipain from *Trypanosoma cruzi* gives a major fragment corresponding to its carboxy-terminal domain, 15
- Hemmings, L. and McManus, D.P.,
The diagnostic value and molecular characterisation of an *Echinococcus multilocularis* antigen gene clone, 53
- Hogue, D.L., see Gero, A.M., 195
- Hollingdale, M.R., see van Pelt, J.F., 225
- Holz, Jr., G.G., see Beach, D.H., 97
- Howard, M.K., Kelly, J.M., Lane, R.P. and Miles, M.A.,
A sensitive repetitive DNA probe that is specific to the *Leishmania donovani* complex and its use as an epidemiological and diagnostic reagent, 63
- Huber, M., see De Meester, F., 23
- Hundt, E., see Knapp, B., 1
- Ito, A., Bogh, H.O., Lightowers, M.W., Mitchell, G.F., Takami, T., Kamiya, M., Onitake, M. and Rickard, M.D.,

- Vaccination against *Taenia taeniaeformis* infection in rats using a recombinant protein and preliminary analysis of the induced antibody response, 43
- James, A.A., Blackmer, K., Marinotti, O., Ghosn, C.R. and Racioppi, J.V.,
Isolation and characterization of the gene expressing the major salivary gland protein of the female mosquito, *Aedes aegypti*, 245
- Kamiya, M., see Ito, A., 43
- Kapeller, I., see Hamburger, J., 73
- Kaslow, D.C., see Fang, X., 125
- Katakura, K., Peng, Y., Pithawalla, R., Detke, S. and Chang, K.-P.,
Tunicamycin-resistant variants from five species of *Leishmania* contain amplified DNA in extrachromosomal circles of different sizes with a transcriptionally active homologous region, 233
- Kelly, J.M., see Howard, M.K., 63
- Kemp, D.J., see Triglia, T., 201
- Keren, Z., see De Meester, F., 23
- Kiessling, R., see Laskay, T., 279
- Kilejian, A., Rashid, M.A., Aikawa, M., Aji, T. and Yang, Y.-F.,
Selective association of a fragment of the knob protein with spectrin, actin and the red cell membrane, 175
- Klein and R.D., see Guénette, S., 153
- Kleinig, H., see Wunderlich, F., 271
- Kleuskens, J., see Van Pelt, J.F., 225
- Knapp, B., Nau, U., Hundt, E. and Küpper, H.A.,
A new blood stage antigen of *Plasmodium falciparum* highly homologous to the serine-stretch protein SERP, 1
- Küpper, H.A., see Knapp, B., 1
- Laclette, J.P., Landa, A., Arcos, L., Willms, K., Davis, A.E. and Shoemaker, C.B.,
Paramyosin is the *Schistosoma mansoni* (Trematoda) homologue of antigen B from *Taenia solium* (Cestoda), 287
- Landa, A., see Laclette, J.P., 287
- Lane, R.P., see Howard, M.K., 63
- Larrieu, G., see Galtier, P., 255
- Laskay, T., Kiessling, R., Rinke De Wit, T.F. and Wirth, D.F.,
Generation of species-specific DNA probes for *Leishmania aethiopica*, 279
- Lightowers, M.W., see Ito, A., 43
- Lindmark, D.G., see Beach, D.H., 97
- Lu, H.Y. and Buck, G.A.,
Expression of an exogenous gene in *Trypanosoma cruzi* epimastigotes, 109
- Maina, C.V., see Awobuluyi, M., 151
- Marinotti, O., see James, A.A., 245
- Matlashewski, G., see Guénette, S., 153
- Mattei, D., see Scherf, A., 297
- McCutchan, T.F., see Waters, A.P., 143
- McManus, D.P., see Hemmings, L., 53
- McManus, D.P., see Shepherd, J.C., 81
- McMaster, W.R., see Button, L.L., 213
- Meuwissen, J.H.E.T., see Van Pelt, J.F., 225
- Miles, M.A., see Howard, M.K., 63
- Miller, L.H., see Fang, X., 125
- Mirelman, D., see De Meester, F., 23
- Mitchell, G.F., see Ito, A., 43
- Mitchell, G.H., see Waters, A.P., 143
- Mowatt, M.R., see Gottstein, B., 183
- Müller, M., see Searle, S.M.J., 91
- Nau, U., see Knapp, B., 1
- Onitake, M., see Ito, A., 43
- Pays, E., see Coquelet, H., 33
- Peng, Y., see Katakura, K., 233
- Pithawalla, R., see Katakura, K., 233
- Plitt, J.R., see Chen, G.-X., 165
- Ponnudurai, T., see Van Pelt, J.F., 225
- Prichard, R.K., see Guénette, S., 153
- Racioppi, J.V., see James, A.A., 245
- Rashid, M.A., see Kilejian, A., 175
- Reiner, N.E., see Button, L.L., 213
- Rickard, M.D., see Ito, A., 43
- Rinke De Wit, T.F., see Laskay, T., 279
- Rozenblatt, S., see De Meester, F., 23
- Sarthou, J.-L., see Scherf, A., 297
- Scherf, A., Mattei, D. and Sarthou, J.-L.,
Multiple infections and unusual distribution of block 2 of the MSA1 gene of *Plasmodium falciparum* detected in West African clinical isolates by polymerase chain reaction analysis (Short Communication), 297
- Searle, S.M.J. and Müller, M.,
Inorganic pyrophosphatase of *Trichomonas vaginalis*, 91
- Shepherd, J.C., Aitken, A. and McManus, D.P.,
A protein secreted in vivo by *Echinococcus granulosus* inhibits elastase activity and neutrophil chemotaxis, 81
- Shoemaker, C.B., see Laclette, J.P., 287
- Singh, B.N., see Beach, D.H., 97
- Steinert, M., see Coquelet, H., 33
- Sullivan, F.X. and Walsh, C.T.,
Cloning, sequencing, overproduction and purification of trypanothione reductase from *Trypanosoma cruzi* (Short Communication), 147
- Takami, T., see Ito, A., 43
- Thomas, A.W., see Waters, A.P., 143
- Triglia, T. and Kemp, D.J.,
Large fragments of *Plasmodium falciparum* DNA can be stable when cloned in yeast artificial chromosomes, 201
- Turetski, T., see Hamburger, J., 73
- Upston, J.M., see Gero, A.M., 195
- Vandenberghe, Y., see Galtier, P., 255

- Van Pelt, J.F., Kleuskens, J., Hollingdale, M.R., Verhave, J.P., Ponnudurai, T., Meuwissen, J.H.E.T. and Yap, S.H., Identification of plasma membrane proteins involved in the hepatocyte invasion of *Plasmodium falciparum* sporozoites, 225
- Vercruyse, A., see Galtier, P., 255
- Verhave, J.P., see van Pelt, J.F., 225
- Vial, H., see Wunderlich, F., 271
- Walsh, C.T., see Sullivan, F.X., 147
- Wang, C.C., see Bass, K.E., 261
- Waters, A.P., Thomas, A.W., Mitchell, G.H. and McCutchan, T.F., Intra-generic conservation and limited inter-strain variation in a protective minor surface antigen of *Plasmodium knowlesi* merozoites (Short Communication), 143
- Weiler, A.K., see Chen, G.-X., 165
- Wernstedt, C., see Hellman, U., 15
- Williamson, D.H., see Gardner, M.J., 115
- Willms, K., see Laclette, J.P., 287
- Wilson, R.J.M., see Gardner, M.J., 115
- Wirth, D.F., see Laskay, T., 279
- Wood, A.M., see Gero, A.M., 195
- Wunderlich, F., Fiebig, S., Vial, H. and Kleinig, H., Distinct lipid compositions of parasite and host cell plasma membranes from *Plasmodium chabaudi*-infected erythrocytes, 271
- Yang, Y.-F., see Kilejian, A., 175
- Yap, S.H., see Van Pelt, J.F., 225
- Zhu, J., see Chen, G.-X., 165
- Zolg, J.W., see Chen, G.-X., 165

Subject Index

- Actin, 175
- Allelic polymorphism, 297
- Anti- β -tubulin antibody, 153
- Antigen B, 81, 287
- Antigen polymorphism, 81
- Aqueous pore, 195
- Babesia bovis*, 195
- Beta subunit, 115
- Beta' subunit, 115
- Bloodstream form, 261
- Brugia malayi*, 151
- Brugia pahangi*, 153
- cDNA, 23
- Cellular immunity, 213
- Cestoda, 287
- Chloramphenicol acetyltransferase, 109
- Cholesterol ester, 97
- Cholesterol, 271
- Cholesterol, 97
- Circular DNA, 115
- Cruzipain, 15
- Cysteine proteinase, 1
- Cysteine proteinase, 15
- Diagnosis, 63
- Diamide, 195
- Differentiation, 261
- DNA hybridization, 279
- DNA probe, 63, 73, 183, 279
- DNA probing, 165
- DNA sequence, 147, 183
- DNA sequencing, 287
- DNA transfection, 109
- Drug resistance, 233
- Duffy receptor, 125
- Echinococcus multilocularis*, 53, 183
- Echinococcus*, 81
- Elongation factor-1, 23
- Entamoeba histolytica*, 23
- Epidemiology, 63
- Erythrocyte, 271
- Evasion of host immune response, 81
- Expression library, 151
- Fasciola hepatica*, 255
- Fatty acid, 97
- Gene amplification, 233
- Gene cloning, 1, 287
- Gene expression, 109, 287
- Gene regulation, 133
- Gene structure, 1
- Glucose uptake, 195

- Glutaraldehyde, 151
 Glutathione *S*-transferase, 255
 Glycolipid, 97

 Hepatic metabolism, 255
 Homology, 125
 Human hepatocyte receptor, 225

 Immunoblotting, 151
 Immunodiagnosis, 53
 Inorganic pyrophosphate, 91
 Invasion, 225

 Kinetoplast DNA, 279
 Knob protein, 175

Leishmania, 213, 233
Leishmania aethiopica, 279
Leishmania donovani complex, 63
 Lipid, 271
 Liver, 255
 Low-affinity, 151
 Lysosome, 91

 Magnetic separation, 165
 Major surface glycoprotein, 213
 Malaria vaccine, 297
 Malaria, 125, 143, 271
 Membrane, 271
 Membrane permeability, 195
 Merozoite invasion, 125
 Mixed infections, 297

 Nucleoside transport, 195
 Nucleotide sequence, 53

 Oncosphere antigen, 43
 Ornithine decarboxylase, 261

 PARP, 133
 Phospholipid, 97
 Plasmid expression vector, 53
Plasmodium chabaudi, 271
Plasmodium falciparum, 1, 115, 165, 175, 195, 201, 225, 297
Plasmodium fragile, 143
Plasmodium knowlesi, 125, 143
Plasmodium vivax, 125
 Poly(A)-tailed capture probes, 165
 Polymerase chain reaction, 183, 297
 Procyclic form, 261
 Procyclin, 133

 Protease inhibitor, 81
 Protein synthesis inhibition, 133
 Pyrophosphatase, 91

 Rat, 255
 Recombinant antigen, 53
 Recombinant enzyme, 147
 Recombinant protein, 213
 Red cell membrane, 175
 Repeated DNA, 73
 Ribosomal RNA processing, 33
 Rifampicin, 115
 RNA decay, 33
 RNA polymerase, 115

 Salivary gland, 245
Schistosoma mansoni, 73
Schistosoma mansoni paramyosin, 287
 Self-proteolysis, 15
 Serine-stretch protein, 1
 Sex-specific gene, 245
 Skeletal protein, 175
 Species identification, 73
 Spectrin, 175
 Sphingolipid, 97
 Sporozoite, 225
 Strain variation, 143
 Surface antigen, 151

Taenia solium, 287
Taenia taeniaeformis, 43
 Transcription promoter, 109
 Trematoda, 287
 Triacylglycerol, 97
Trichomonas vaginalis, 91, 97
Tritrichomonas foetus, 97
Trypanosoma brucei brucei, 133
Trypanosoma brucei, 261
Trypanosoma cruzi, 15, 109, 147
 Trypanosome, 33
 Trypanothione reductase, 147
 β -Tubulin gene, 153
 β -Tubulin isoforms, 153
 Tunicamycin, 233

 Ultraviolet irradiation, 33

 Vaccine, 43, 143
 Vector biology, 245

 Yeast artificial chromosome, 201

